Mosher

RAW SEQUENCE LISTING DATE: 08/01/2000
PATENT APPLICATION: US/08/475,470A TIME: 11:58:40

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08012000\H475470A.raw

ENTERED

SEQUENCE LISTING

(1) GENERAL INFORMATION:

C--> (i) APPLICANT: Samulski, Richard J.
Walsh, Christopher E.
Nienhuis, Arthur W.
Liu, Johnson M.
Miller, Jeffrey L.

(ii) TITLE OF INVENTION: Adeno-Associated Virus Vector and Cis-Acting Regulatory and Promoter Elements Capable of Expressing At Least One Globin Gene and Methods of Using the Same for Gene Therapy

(iii) NUMBER OF SEQUENCES: 20

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Eckert Seamans Cherin & Mellott
(B) STREET: 1700 Market Street, Suite 3232
(C) CITY: Philadelphia
(D) STATE: PA
(E) COUNTRY: USA
(F) ZIP: 19003

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:
C--> (A) APPLICATION NUMBER: US/08/475,470A
C--> (B) FILING DATE: 07-Jun-1995
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Gould, Jr., Lewis F.
(B) REGISTRATION NUMBER: 25,057
(C) REFERENCE/DOCKET NUMBER: 115132-4

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 215/575-6000
(B) TELEFAX: 215/575-6015

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

W--> (ii) MOLECULE TYPE: oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

TCGCTTCTGG AACGTCTATC 20

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 base pairs

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PATENT APPLICATION: US/08/475,470A TIME: 11:58:40

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     68           (B) TYPE: nucleic acid
     69           (C) STRANDEDNESS: single
     70           (D) TOPOLOGY: linear
W--> 72      (ii) MOLECULE TYPE: oligonucleotide
     76      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
     78 CACCTTCTTG CCATGTGCCT                                          20
     80 (2) INFORMATION FOR SEQ ID NO: 3:
     82       (i) SEQUENCE CHARACTERISTICS:
     83           (A) LENGTH: 24 base pairs
     84           (B) TYPE: nucleic acid
     85           (C) STRANDEDNESS: single
     86           (D) TOPOLOGY: linear
W--> 88      (ii) MOLECULE TYPE: oligonucleotide
     92      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
     94 CATTGTGATG GACTCCGGAG ACGG                                     24
     96 (2) INFORMATION FOR SEQ ID NO: 4:
     98       (i) SEQUENCE CHARACTERISTICS:
     99           (A) LENGTH: 24 base pairs
    100           (B) TYPE: nucleic acid
    101           (C) STRANDEDNESS: single
    102           (D) TOPOLOGY: linear
W--> 104     (ii) MOLECULE TYPE: oligonucleotide
    108      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
    110 CATCTCCTGC TCGAAGTCTA GAGC                                     24
    112 (2) INFORMATION FOR SEQ ID NO: 5:
    114       (i) SEQUENCE CHARACTERISTICS:
    115           (A) LENGTH: 20 base pairs
    116           (B) TYPE: nucleic acid
    117           (C) STRANDEDNESS: single
    118           (D) TOPOLOGY: linear
W--> 120     (ii) MOLECULE TYPE: oligonucleotide
    124      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
    126 GTTGGGAGTG AAGAAACTGC                                          20
    128 (2) INFORMATION FOR SEQ ID NO: 6:
    130       (i) SEQUENCE CHARACTERISTICS:
    131           (A) LENGTH: 20 base pairs
    132           (B) TYPE: nucleic acid
    133           (C) STRANDEDNESS: single
    134           (D) TOPOLOGY: linear
W--> 136     (ii) MOLECULE TYPE: oligonucleotide
    140      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
    142 TAGCCTCAGA CTCTGTTTGC                                          20
    144 (2) INFORMATION FOR SEQ ID NO: 7:
    146       (i) SEQUENCE CHARACTERISTICS:
    147           (A) LENGTH: 22 base pairs
    148           (B) TYPE: nucleic acid
    149           (C) STRANDEDNESS: single
    150           (D) TOPOLOGY: linear
W--> 152     (ii) MOLECULE TYPE: oligonucleotide
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RAW SEQUENCE LISTING DATE: 08/01/2000
PATENT APPLICATION: US/08/475,470A TIME: 11:58:40

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08012000\H475470A.raw

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
CTACACCAAC GTAACCTATC CC 22
(2) INFORMATION FOR SEQ ID NO: 8:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 22 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: oligonucleotide
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
TTCTCCGGCG CTTAAAAATG CG 22
(2) INFORMATION FOR SEQ ID NO: 9:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 15 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: oligonucleotide
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
GAACGCGCAG CCGCC 15
(2) INFORMATION FOR SEQ ID NO: 10:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 20 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: oligonucleotide
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
GCGCATCAGA ATTGGGATTC 20
(2) INFORMATION FOR SEQ ID NO: 11:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 15 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: oligonucleotide
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
AGTAGCATGG CGGGT 15
(2) INFORMATION FOR SEQ ID NO: 12:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 21 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: oligonucleotide
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
CGCGCATAAG CCAGTAGAGC C 21
(2) INFORMATION FOR SEQ ID NO: 13:
(i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING DATE: 08/01/2000
PATENT APPLICATION: US/08/475,470A TIME: 11:58:40

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08012000\H475470A.raw

(A) LENGTH: 25 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> **(ii) MOLECULE TYPE: oligonucleotide**
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
GGAATTCAGG AACCCCTAGT GATGG 25
(2) INFORMATION FOR SEQ ID NO: 14:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 21 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> **(ii) MOLECULE TYPE: oligonucleotide**
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
ACAATGGCCA GGGCCAGGCA G 21
(2) INFORMATION FOR SEQ ID NO: 15:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> **(ii) MOLECULE TYPE: oligonucleotide**
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
CACAGACTAT GGTCCAGGTG AAGG 24
(2) INFORMATION FOR SEQ ID NO: 16:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> **(ii) MOLECULE TYPE: oligonucleotide**
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
ACCAGGAGTA CCGAAGCTCA CTTG 24
(2) INFORMATION FOR SEQ ID NO: 17:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
W--> **(ii) MOLECULE TYPE: oligonucleotide**
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
AATTACTGAT GTCGGCAGCC GAAC 24
(2) INFORMATION FOR SEQ ID NO: 18:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 24 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

RAW SEQUENCE LISTING DATE: 08/01/2000
PATENT APPLICATION: US/08/475,470A TIME: 11:58:40

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08012000\H475470A.raw

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W--> 328     (ii) MOLECULE TYPE: oligonucleotide
     332     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
     334 TTATGATGTC TGGATCCGGC CTTG                                        24
     336 (2) INFORMATION FOR SEQ ID NO: 19:
     338      (i) SEQUENCE CHARACTERISTICS:
     339           (A) LENGTH: 20 base pairs
     340           (B) TYPE: nucleic acid
     341           (C) STRANDEDNESS: single
     342           (D) TOPOLOGY: linear
W--> 344     (ii) MOLECULE TYPE: oligonucleotide
     348     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
     350 TCTCAGCCTA GAGTGATGAC                                            20
     352 (2) INFORMATION FOR SEQ ID NO: 20:
     354      (i) SEQUENCE CHARACTERISTICS:
     355           (A) LENGTH: 20 base pairs
     356           (B) TYPE: nucleic acid
     357           (C) STRANDEDNESS: single
     358           (D) TOPOLOGY: linear
W--> 360     (ii) MOLECULE TYPE: oligonucleotide
     364     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
     366 ATAGTAGCCT TGTCCTCCTC                                            20
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VERIFICATION SUMMARY DATE: 08/01/2000
PATENT APPLICATION: US/08/475,470A TIME: 11:58:41

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08012000\H475470A.raw

L:6 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]
L:34 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:35 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:56 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1, Value=
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L:72 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2, Value=
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L:88 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3, Value=
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L:104 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4, Value=
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L:136 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6, Value=
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L:152 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7, Value=
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L:200 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10, Value=
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L:216 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11, Value=
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L:232 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12, Value=
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L:248 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13, Value=
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L:280 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15, Value=
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L:296 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16, Value=
[oligonucleotide]
L:312 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17, Value=
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L:328 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=18, Value=
[oligonucleotide]
L:344 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19, Value=
[oligonucleotide]
L:360 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20, Value=
[oligonucleotide]

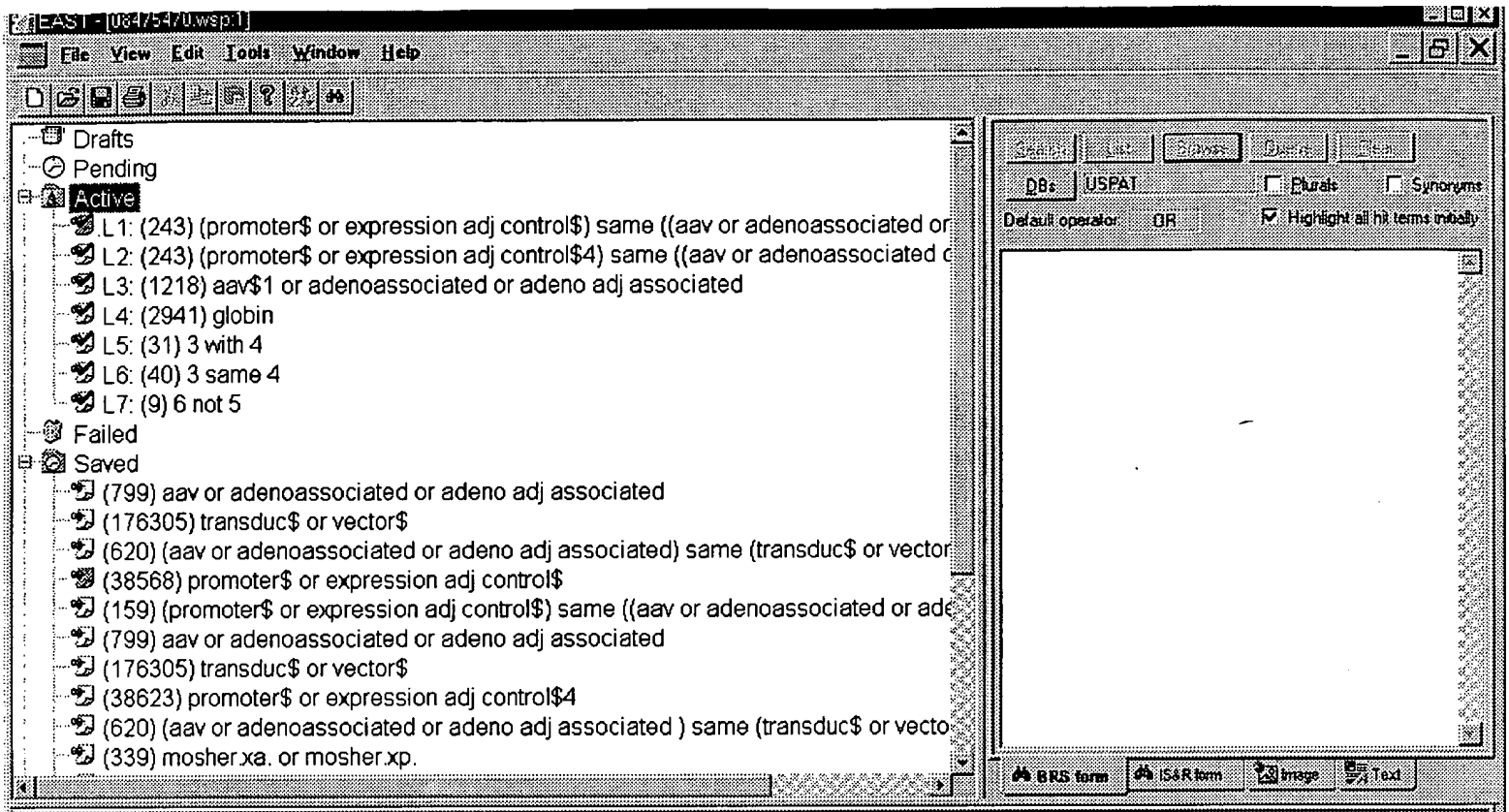
STATISTICS SUMMARY DATE: 08/01/2000
PATENT APPLICATION: US/08/475,470A TIME: 11:58:41

Input Set : A:\Pto.amc
Output Set: N:\CRF3\08012000\H475470A.raw

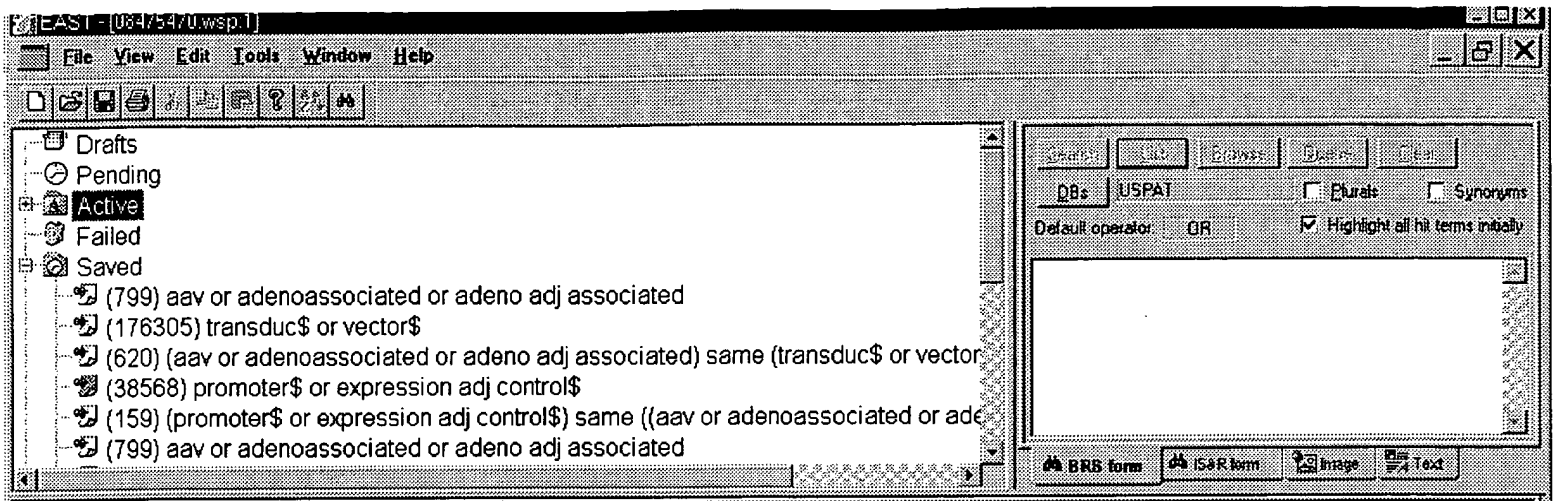
Application Serial Number: US/08/475,470A
Alpha or Numeric: Alpha
Application Class:
Application File Date: 06-07-1995
Art Unit:
Software Application: PatentIn
Total Number of Sequences: 20
Number of Errors: 0
Number of Warnings: 20
Number of Corrections: 3

MESSAGE SUMMARY

220 C: 3 (Keyword misspelled or invalid format)
246 W: 20 (Invalid value of Alpha Sequence Header Field)



	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	243	(promoter$ or expression adj control$) same ((aav or adenoassociated or adeno adj associated) same (transduc$ or vector$))	USPAT	2000/10/23 11:43		Truncation Overflow. Return string from Server is: 5`0`0`PRO
2	BRS	L2	243	(promoter$ or expression adj control$4) same ((aav or adenoassociated or adeno adj associated) same (transduc$ or vector$))	USPAT	2000/10/23 11:52		
3	BRS	L3	1218	aav$1 or adenoassociated or adeno adj associated	USPAT	2000/10/23 11:55		
4	BRS	L4	2941	globin	USPAT	2000/10/23 11:55		
5	BRS	L5	31	3 with 4	USPAT	2000/10/23 12:06		
6	BRS	L6	40	3 same 4	USPAT	2000/10/23 12:06		
7	BRS	L7	9	6 not 5	USPAT	2000/10/23 12:06		



	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	243	(promoter$ or expression adj control$) same ((aav or adenoassociated or adeno adj associated) same (transduc$ or vector$))	USPAT	2000/10/23 11:43		Truncation Overflow. Return string from Server is: 5`0`0`PRO
2	BRS	L2	243	(promoter$ or expression adj control$4) same ((aav or adenoassociated or adeno adj associated) same (transduc$ or vector$))	USPAT	2000/10/23 12:08		
3	BRS	L3	1218	aav$1 or adenoassociated or adeno adj associated	USPAT	2000/10/23 12:11		
4	BRS	L4	2941	globin	USPAT	2000/10/23 11:55		
5	BRS	L5	31	3 with 4	USPAT	2000/10/23 12:06		
6	BRS	L6	40	3 same 4	USPAT	2000/10/23 12:06		
7	BRS	L7	9	6 not 5	USPAT	2000/10/23 12:06		
8	BRS	L8	44	(promoter$ or expression adj control$4) same ((aav or adenoassociated or adeno adj associated) same (transduc$ or vector$))	EPO; JPO; Derwent	2000/10/23 12:09		
9	BRS	L9	40	(aav$1 or adenoassociated or adeno adj associated) same globin	USPAT	2000/10/23 12:12		
10	BRS	L10	1	(aav$1 or adenoassociated or adeno adj associated) same globin	EPO; JPO; Derwent	2000/10/23 12:12		

EAST - [Default EAST Workspace 1600x1200 wsp1]

File View Edit Tools Window Help

L1: (799) aav or adenoasso
L2: (176305) transduc$ or
L3: (620) 1 same 2
L4: (38568) promoter$ or e
L5: (159) 4 same 3

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DBs | USPAT | Plurals | Synonyms

4 same 3

BRS form | ISR form | Image | Text

	Document ID	Issue Da	Title	Inventor	Curre
1	US 5981487 A	19991109	Method of inhibiting smooth muscle cell proliferation	Koch, Walter J. , et al.	514/12
2	US 5980886 A	19991109	Recombinant vectors for reconstitution of liver	Kay, Mark A. , et al.	424/93
3	US 5976873 A	19991102	Nucleic acid sequences controlling lung cell-specific gene expression	Bohinski, Robert J. , et al.	435/32
4	US 5976800 A	19991102	Enhancement of cancer cell death	Lau, Allan S. , et al.	435/6
5	US 5972705 A	19991026	Sequence-specific methylation of ribonucleic acid	Fournier, Maurille J. , et al.	435/44
6	US 5972697 A	19991026	NIMA interacting proteins	Hunter, Tony , et al.	435/32
7	US 5972616 A	19991026	TADG-15: an extracellular serine protease overexpressed in breast and	O'Brien, Timothy J. , et al.	435/6
8	US 5972339 A	19991026	Method of eliciting anti-HIV-1 helper T cell responses	Walker, Bruce D.	424/18
9	US 5968750 A	19991019	Humanized green fluorescent protein genes and methods	Zolotukhin, Sergei et al.	435/6
10	US 5965790 A	19991012	SR-BI regulatory sequences and therapeutic methods of use	Acton, Susan Laurene	800/18
11	US 5965441 A	19991012	HSV/AAV hybrid amplicon vectors	Breakefield, Xandra O. , et al.	435/45
12	US 5962325 A	19991005	Three-dimensional stromal tissue cultures	Naughton, Gail K. , et al.	435/39
13	US 5962313 A	19991005	Adeno-associated virus vectors comprising a gene encoding a lyosomal	Podsakoff, Gregory M. , et al.	435/32
14	US 5962265 A	19991005	Human signal transduction serine/threonine kinase	Norris, Tyrrell Errick , et al.	435/69
15	US 5959081 A	19990928	Zinc binding LIM protein S2-6	Lecka-Czernik, Beata	530/35
16	US 5958768 A	19990928	Chimeric antiviral agents comprising Rev binding nucleic acids and	Kraus, Gunter , et al.	435/37
17	US 5952467 A	19990914	NIMA interacting proteins	Hunter, Tony , et al.	530/35
18	US 5952221 A	19990914	Adeno-associated virus vectors comprising a first and second nucleic	Kurtzman, Gary J. , et al.	435/32
19	US 5952190 A	19990914	cDNA for fanconi anemia complementation group A	Joenje, Hans , et al.	435/30
20	US 5948647 A	19990907	Nucleic acids encoding antigen-binding sites specific for cancer antigens	Ring, David B.	435/69
21	US 5948646 A	19990907	Methods for preparation of vaccines against cancer comprising heat shock	Srivastava, Pramod K.	435/69
22	US 5948640 A	19990907	Mammalian additional sex combs (mammalian Asx) acts as a tumor suppressor	Randazzo, Filippo M.	435/69
23	US 5945335 A	19990831	Adenovirus helper-free system for producing recombinant AAV virions	Colosi, Peter	435/36

Hits | Details

Start | EAST - [Default E

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File View Edit Tools Window Help

L1: (799) aav or adenoasso
L2: (176305) transduc$ or
L3: (620) 1 same 2
L4: (38568) promoter$ or e
L5: (159) 4 same 3

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DBs | USPAT | Plurals | Synonyms

4 same 3

BRS form | ISR form | Image | Text

	Document ID	Issue Da	Title	Inventor	Curre
24	US 5942400 A	19990824	Assays for detecting .beta.-secretase	Anderson, John P. , et al.	435/7.
25	US 5942395 A	19990824	Hybrid ribozymes and methods of use	Fournier, Maurille J. , et al.	435/6
26	US 5939540 A	19990817	Platelet secretory transport protein	Reed, Guy L.	536/23
27	US 5939538 A	19990817	Methods and compositions for inhibiting HIV infection of cells by	Leavitt, Markley C. , et al.	536/23
28	US 5928941 A	19990727	Repressor kruppel-like factor	Lee, Mu-En , et al.	435/32
29	US 5922601 A	19990713	High efficiency gene trap selection of regulated genetic loci	Baetscher, Manfred , et al.	435/45
30	US 5919677 A	19990706	Eukaryotic and retroviral antisense initiator elements	Ludwig, Linda B.	435/91
31	US 5919652 A	19990706	Nucleic acid molecules comprising the prostate specific antigen (PSA)	Pang, Shen , et al.	435/69
32	US 5919620 A	19990706	Heat shock protein HSP72 of Streptococcus pneumoniae	Brodeur, Bernard R. , et al.	435/6
33	US 5916763 A	19990629	Promoter for VEGF receptor	Williams, Lewis T. , et al.	435/69
34	US 5914318 A	19990622	Transgenic plants expressing lepidopteran-active .delta.-endotoxins	Baum, James A. , et al.	514/12
35	US 5914266 A	19990622	Mammallian sex comb on midleg (mammalian SCM) acts as a tumor suppressor	Randazzo, Filippo	435/32
36	US 5905146 A	19990518	DNA binding protein S1-3	Lecka-Czernik, Beata	536/23
37	US 5902880 A	19990511	RNA polymerase III-based expression of therapeutic RNAs	Thompson, James	536/24
38	US 5902741 A	19990511	Three-dimensional cartilage cultures	Purchio, Anthony F. , et al.	435/32
39	US 5891857 A	19990406	Characterized BRCA1 and BRCA2 proteins and screening and therapeutic	Holt, Jeffrey T. , et al.	514/44
40	US 5883081 A	19990316	Isolation of novel HIV-2 proviruses	Kraus, Gunter , et al.	514/44
41	US 5880277 A	19990309	Ribozyme cleavage of 5.alpha.-reductase mRNA	Scanlon, Kevin J. , et al.	536/24
42	US 5876939 A	19990302	FAS associated proteins	Reed, John C. , et al.	435/6
43	US 5877021 A	19990302	B7-1 targeted ribozymes	Stinchcomb, Dan T. , et al.	435/36
44	US 5877022 A	19990302	Ribozymes targeted to APO(a) RNA	Stinchcomb, Dan T. , et al.	435/37
45	US 5874304 A	19990223	Humanized green fluorescent protein genes and methods	Zolotukhin, Sergei , et al.	435/36
46	US 5872005 A	19990216	Packaging cell lines for adeno-associated viral vectors	Wang, Qing , et al.	435/32

Hits | Details

Start | EAST - [Default E

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File View Edit Tools Window Help

L1: (799) aav or adenoasso
L2: (176305) transduc$ or
L3: (620) 1 same 2
L4: (38568) promoter$ or e
L5: (159) 4 same 3

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DBs | USPAT | Plurals | Synonyms

4 same 3

BRS form | ISIS form | Image | Text

	Document ID	Issue Da	Title	Inventor	Curre
47	US 5871982 A	19990216	Hybrid adenovirus-AAV virus and methods of use thereof	Wilson, James M. , et al.	435/45
48	US 5869306 A	19990209	Gene transfer preparation	Kuma, Hidekazu , et al.	435/44
49	US 5866552 A	19990202	Method for expressing a gene in the absence of an immune response	Wilson, James M. , et al.	514/44
50	US 5866696 A	19990202	Modified adeno-associated virus vector capable of expression from a	Carter, Barrie J. , et al.	536/23
51	US 5863531 A	19990126	In vitro preparation of tubular tissue structures by stromal cell	Naughton, Gail K. , et al.	424/93
52	US 5863541 A	19990126	AAV capsid vehicles for molecular transfer	Samulski, Richard Jude , et al.	424/19
53	US 5861314 A	19990119	Adeno-associated viral (AAV) liposomes and methods related thereto	Philip, Ramila , et al.	435/37
54	US 5861171 A	19990119	Adeno-associated viral (AAV) liposomes and methods related thereto	Philip, Ramila , et al.	424/45
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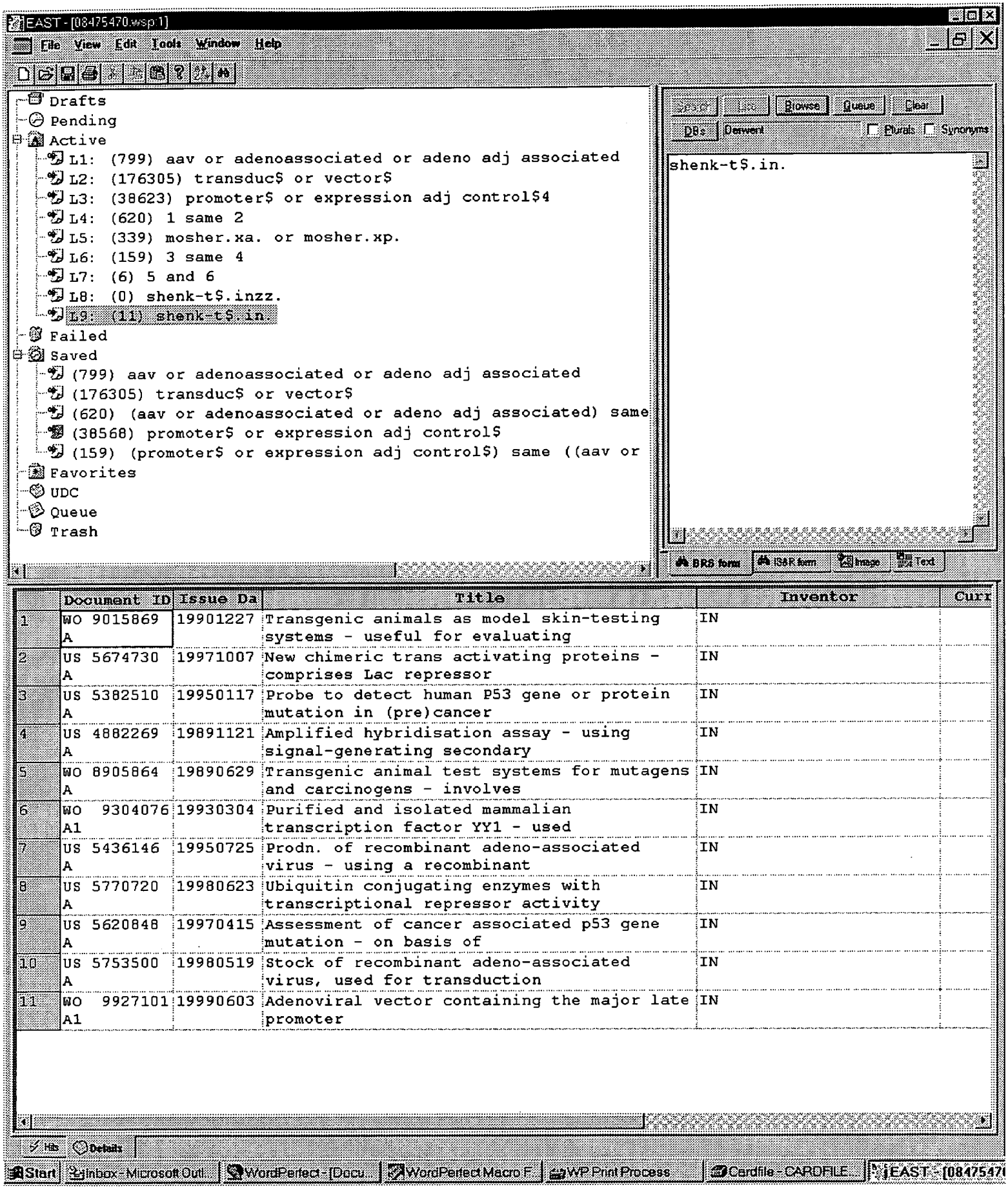

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1	WO 9015869 A	19901227	Transgenic animals as model skin-testing systems - useful for evaluating	IN	
2	US 5674730 A	19971007	New chimeric trans activating proteins - comprises Lac repressor	IN	
3	US 5382510 A	19950117	Probe to detect human P53 gene or protein mutation in (pre)cancer	IN	
4	US 4882269 A	19891121	Amplified hybridisation assay - using signal-generating secondary	IN	
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6	WO 9304076 A1	19930304	Purified and isolated mammalian transcription factor YY1 - used	IN	
7	US 5436146 A	19950725	Prodn. of recombinant adeno-associated virus - using a recombinant	IN	
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9	US 5620848 A	19970415	Assessment of cancer associated p53 gene mutation - on basis of	IN	
10	US 5753500 A	19980519	Stock of recombinant adeno-associated virus, used for transduction	IN	
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